

1 ABSTRACT OF THE DISCLOSURE

2 An improved, durable and versatile umbrella frame assembly
3 is provided to more readily endure abusive weather conditions
4 and that may be quickly, easily and inexpensively repaired. In
5 addition, the assembly is also easily modified to accommodate
6 umbrella canopies of different sizes and shapes. In addition,
7 an improved umbrella operating system is provided to permit
8 simple opening, positioning, and locking of an umbrella while
9 allowing the frame to freely rotate about the pole regardless of
10 the degree to which it is opened, while the pole is held in a
11 stationary position. The assembly includes a pair of hub
12 members mounted about a pole member wherein the main hub member
13 is slidable up and down the pole. A pulley system with a
14 locking cam member may be employed to allow the umbrella to
15 safely and easily open to any desired position. A locking
16 stabilizer arm may be used to secure the main hub member in the
17 fully open position.